

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0307	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0307 Lisbon	M	6.65				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.21		0.21	3.16%		
Trim / Thin Trees	0.09		0.09	1.35%		
Encroachments	0.01		0.01	0.15%	0.63	0.04
Animal Control	0.08		0.08	1.20%		
Erosion / Bank Caving		0.02	0.08	1.20%		
<i>Supplemental</i>						
USACE Erosion Survey	0.37		0.37	5.56%		
<i>LMA Totals:</i>	0.76	0.02	0.84	12.63%	0.63	0.04

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Reclamation District No. 0307 Lisbon

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 0307 Lisbon

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	6.65
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/18/2011 - 3/18/2011		10/6/2011 - 10/6/2011	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Pete Dweyer RD 307		Pete Dweyer RD 307	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway						Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Sacramento River						Right	6.65	10/06/2011 10/06/2011		Herman Phillips
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.10	0.10	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.478970 ° -121.548262 °	38.478970 ° -121.548262 °	2 Y
2	0.10	0.10	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.478970 ° -121.548262 °	38.478970 ° -121.548262 °	5 Y
3	1.09	1.20	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.472908 ° -121.532762 °	38.472922 ° -121.530695 °	94
4	1.55	1.55	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	38.473105 ° -121.524058 °	38.473105 ° -121.524058 °	11
5	1.96	2.80	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.473057 ° -121.517032 °	38.466880 ° -121.505648 °	959
6	1.96	2.05	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.473188 ° -121.516880 °	38.472948 ° -121.515323 °	93
7	2.41	2.45	Earthen Levee	Encroachments	LS	PO	Landscaping	38.471328 ° -121.509132 °	38.471045 ° -121.508505 °	16
8	2.43	2.45	Earthen Levee	Erosion / Bank Caving	WS	U	Note and monitor erosion site.	38.471032 ° -121.508317 °	38.470855 ° -121.508026 °	4 Y
9	2.55	2.55	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	38.470275 ° -121.506882 °	38.470275 ° -121.506882 °	979
10	2.63	2.63	Earthen Levee	Encroachments	LS	PO	Buildings	38.469163 ° -121.506320 °	38.469163 ° -121.506320 °	18
11	2.99	3.03	Earthen Levee	Encroachments	LS	C	Fences Inspector Comments: Photo has been added to report to show the encroachment. The land owner has goats inside this fence area. There is no need for this fence to be on the levee section.	38.464055 ° -121.505350 °	38.463517 ° -121.505270 °	22
12	3.03	3.03	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.463595 ° -121.505222 °	38.463593 ° -121.505220 °	17
13	3.54	3.56	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There are 40-50 holes within a 37-foot section of levee. Some bait needs to be placed here to eradicate the rodents.	38.560402 ° -121.522426 °	38.538456 ° -121.517120 °	1 Y
14	3.54	3.56	Earthen Levee	Encroachments	LS	C	Pipe Inspector Comments: Landowner has started placing PVC pipe in the slope for a sprinkler system. There is no permit for the installation.	38.560402 ° -121.522426 °	38.538456 ° -121.517120 °	24
15	3.67	3.70	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.454548 ° -121.503153 °	38.454177 ° -121.503032 °	29

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Right	6.65	10/06/2011 10/06/2011	Herman Phillips	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
16	3.71	3.75	Earthen Levee	Encroachments	LS	CO	Landscaping	38.453975 ° -121.503002 °	38.453432 ° -121.502925 °	30
17	4.02	4.02	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: This property has a brick wall on the shoulder that has no permit. The district is aware of this.	38.449575 ° -121.502668 °	38.449575 ° -121.502668 °	963
18	4.04	4.10	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.449352 ° -121.502632 °	38.448468 ° -121.502643 °	75
19	4.05	4.05	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.448500 ° -121.502638 °	38.448500 ° -121.502638 °	8
20	4.05	4.10	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.473240 ° -121.521502 °	38.448989 ° -121.502638 °	26
21	4.09	4.13	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.448336 ° -121.503083 °	38.447342 ° -121.502705 °	12
22	4.09	4.31	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.447921 ° -121.502671 °	38.444746 ° -121.502995 °	10
23	4.27	4.31	Earthen Levee	Encroachments	LS	C	Fences Inspector Comments: This is a wire fence that runs along the slope and the shoulder of the landside levee.	38.446057 ° -121.502892 °	38.445473 ° -121.502942 °	35
24	4.29	4.35	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.445798 ° -121.502963 °	38.444932 ° -121.503083 °	78
25	4.43	4.44	Earthen Levee	Encroachments	LS	PO	Crops Inspector Comments: There is no permit for these grape plantings and they should be taken off the levee section.	38.443798 ° -121.503320 °	38.443637 ° -121.503323 °	79 Y
26	4.49	4.53	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.442963 ° -121.503580 °	38.442422 ° -121.503842 °	80
27	4.50	4.53	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.442777 ° -121.503578 °	38.442468 ° -121.503720 °	37
28	4.71	4.73	Earthen Levee	Encroachments	LS	C	Tree or limb	38.439489 ° -121.505820 °	38.439279 ° -121.506073 °	14
29	4.72	4.72	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.440118 ° -121.505342 °	38.440118 ° -121.505342 °	38
30	4.73	4.75	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.439279 ° -121.506073 °	38.439068 ° -121.506326 °	13
31	4.78	4.83	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.439397 ° -121.505997 °	38.438905 ° -121.506698 °	81
32	4.81	4.82	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.438498 ° -121.507158 °	38.438405 ° -121.507300 °	19

*** Location**

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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River					Right	6.65	10/06/2011 10/06/2011	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
33	4.91	4.92	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.438227 ° -121.507792 °	38.438138 ° -121.507960 °	82
34	5.02	5.03	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.437377 ° -121.509462 °	38.437330 ° -121.509618 °	41
35	5.02	5.06	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.436945 ° -121.510470 °	38.436725 ° -121.511152 °	21
36	5.10	5.10	Earthen Levee	Encroachments	WS	M	Tree or limb	38.436875 ° -121.510705 °	38.436875 ° -121.510705 °	86
37	5.10	5.15	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.436920 ° -121.510795 °	38.436637 ° -121.511592 °	42
38	5.16	5.20	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.436532 ° -121.511837 °	38.436332 ° -121.512553 °	85 Y
39	5.32	5.37	Earthen Levee	Encroachments	LS	PO	Landscaping	38.435875 ° -121.514493 °	38.435767 ° -121.515408 °	45
40	5.44	5.79	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.435623 ° -121.516773 °	38.435798 ° -121.523202 °	971
41	5.75	5.78	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.435878 ° -121.522347 °	38.435923 ° -121.522940 °	51
42	5.75	5.79	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.435888 ° -121.522462 °	38.435940 ° -121.523173 °	52
43	5.99	6.03	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.436202 ° -121.526813 °	38.436152 ° -121.527535 °	55
44	6.03	6.54	Earthen Levee	Encroachments	LS	PO	Landscaping	38.436153 ° -121.527540 °	38.431365 ° -121.533490 °	56
45	6.16	6.42	Supplemental Survey	USACE Erosion Survey	WS	M	Inspector Comments: 2008 - Large rotational failure in bank and well into the levee slope. Could be a significant problem in the next high flow event. 2009 - Minimal new erosion, site extended upstream. 2010 - Minor new erosion. 2011: Tree popout has left a large hole. Large slump area. Rock on the bank is failing in some locations. [2011 Site ID: SAC_43-2_R]	38.434560 ° -121.531159 °	38.432287 ° -121.532978 °	6 Y
46	6.38	6.49	Supplemental Survey	USACE Erosion Survey	WS	M	Inspector Comments: 2011: Erosion pockets likely from tree popouts. This site has been in the inventory before and been fixed with emergency bank rock but continues to fail. [2011 Site ID: SAC_43-1_R]	38.431726 ° -121.533200 °	38.429957 ° -121.533035 °	7 Y

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	10/06/2011 10/06/2011	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation

RD 307 landside levee slope looking downstream from levee mile 0.00. Photo taken 10-06-2011.

phillips_f_20111012_009.jpg



Levee Mile Report Line	2
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Standing on water side levee mile 0.00 looking downstream of RD 307. Photo taken 10-06-2011.

phillips_f_20111012_010.jpg



Levee Mile Report Line	8
Start Levee Mile	2.43
End Levee Mile	2.45
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking downstream from waterside levee mile 2.43 at erosion on bank, you can't see the erosion very good because of the overgrowth of bamboo. Photo taken 3-18-2011. This site was discovered by the land owner Mr. Borges.

phillips_f_20110929_069.jpg



*** Location**

LS : Land Side
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PO : Partially Obstructing
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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	10/06/2011 10/06/2011	Herman Phillips

Levee Mile Report Line	8
Start Levee Mile	2.43
End Levee Mile	2.45
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking back upstream from levee mile 2.45 end of the erosion, the bamboo has blocked the actual viewing of the eroded site. Photo taken 3-18-2011.

phillips_f_20110929_070.jpg



Levee Mile Report Line	13
Start Levee Mile	3.54
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Animal Control

This photo shows rodent holes in slope and within ramp. There actually is a rodent in view by the iron fence just about 3-foot from the bottom of the fence line.

phillips_f_20110929_067.jpg



Levee Mile Report Line	13
Start Levee Mile	3.54
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Photo shows a live rodent near fence outside of his burrow.

phillips_f_20110929_068.jpg



*** Location**

LS : Land Side
WS : Water Side
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N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	10/06/2011 10/06/2011	Herman Phillips

Levee Mile Report Line	25
Start Levee Mile	4.43
End Levee Mile	4.44
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Unauthorized grape vines with driplines placed within levee shoulder and slope, levee miles 4.43 to 4.44 38.443798 121.50332 and 38.44365086 - 121.50322 land side. There is no permit for this encroachment.

phillips_f_20110929_077.jpg



Levee Mile Report Line	38
Start Levee Mile	5.16
End Levee Mile	5.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Wild growth on landside at levee mile 5.16 to 5.20 looking down stream.

phillips_f_20110929_080.jpg



Levee Mile Report Line	38
Start Levee Mile	5.16
End Levee Mile	5.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking downstream levee mile 5.16-5.20.

phillips_f_20110929_081.jpg



*** Location**

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**** Rating**

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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	10/06/2011 10/06/2011	Herman Phillips

Levee Mile Report Line	45
Start Levee Mile	6.16
End Levee Mile	6.42
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

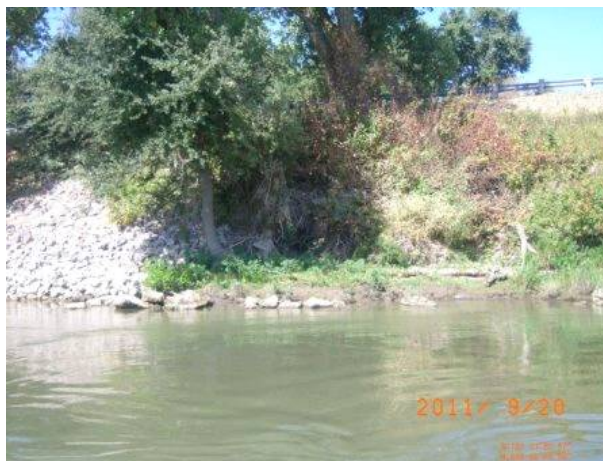
USACE2011_SAC_43-2_R_1.jpg



Levee Mile Report Line	45
Start Levee Mile	6.16
End Levee Mile	6.42
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

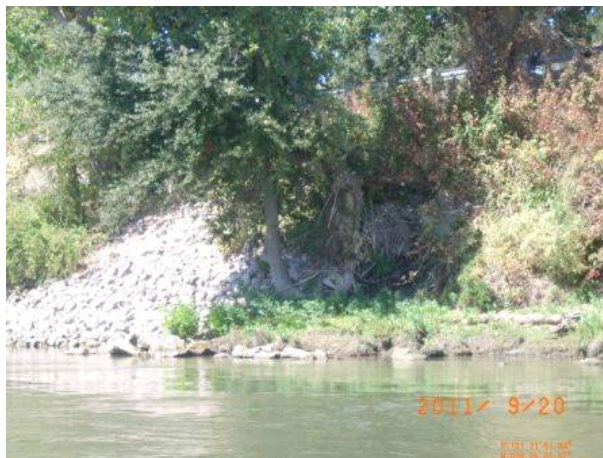
USACE2011_SAC_43-2_R_2.jpg



Levee Mile Report Line	45
Start Levee Mile	6.16
End Levee Mile	6.42
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_SAC_43-2_R_3.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	10/06/2011 10/06/2011	Herman Phillips

Levee Mile Report Line	45
Start Levee Mile	6.16
End Levee Mile	6.42
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #4

USACE2011_SAC_43-2_R_4.jpg



Levee Mile Report Line	46
Start Levee Mile	6.38
End Levee Mile	6.49
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

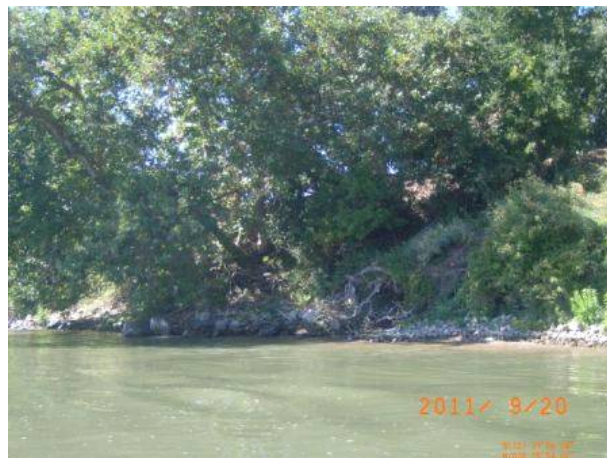
USACE2011_SAC_43-1_R_1.jpg



Levee Mile Report Line	46
Start Levee Mile	6.38
End Levee Mile	6.49
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_43-1_R_2.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	10/06/2011 10/06/2011	Herman Phillips

Levee Mile Report Line	46
Start Levee Mile	6.38
End Levee Mile	6.49
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #3	
USACE2011_SAC_43-1_R_3.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment C : Corrected
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